

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claims 5-8.

1. (Currently Amended) A method to detect the ability of a compound to promote disaggregation of alpha synuclein comprising the steps, in order:
  - (a) adding a compound, and-Thioflavin T to an aggregated alpha synuclein solution wherein the alpha synuclein ~~containing~~ contains an enhancing peptide that is synthetic peptide or a peptide fragment which is added to the synuclein solution, wherein the Thioflavin T will bind to the aggregated synuclein and produce a fluorescence at about 484 485 nm;
  - (b) incubating the solution of step (a) for sufficient time to allow the compound to change the aggregation state of the synuclein; and
  - (c) measuring fluorescence at about 485 nm at two different points in time to determine the reduction of fluorescence as an indication of a reduced aggregation state of the synuclein.
2. (Original) The method of claim 1 wherein the alpha synuclein is a purified, recombinant protein.
3. (Currently Amended) The method of claim 2 wherein the aggregated alpha synuclein further comprises ~~an~~ the enhancing peptide being a synthetic peptide selected from the group consisting of SEQ.ID.NO.:3 and SEQ.ID.No.:4.
4. (Currently Amended) The method ~~o~~of claim 1 wherein the alpha synuclein is a synthetic peptide comprising residues 61 – 90 of alpha synuclein (SEQ.ID.NO.:3).
- 5-8 (Canceled)